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Misodo F30

Misodo F30 Electric Bike User Manual

Model: F30

1. Introduction

Thank you for choosing the Misodo F30 Electric Bike. This manual provides essential information for the safe assembly, operation, and maintenance of your electric bike. Please read this manual thoroughly before your first ride to ensure optimal performance and safety. Keep this manual for future reference.

2. Safety Information

Always prioritize safety when operating your electric bike. Failure to follow safety guidelines can result in serious injury or damage to the bike.

- **Wear a Helmet:** Always wear an approved bicycle helmet when riding.
- **Pre-Ride Check:** Before each ride, check tire pressure, brake function, battery level, and ensure all quick releases and fasteners are secure.
- **Obey Traffic Laws:** Follow all local traffic laws and regulations.
- **Weather Conditions:** Exercise caution when riding in wet or adverse weather conditions. The dual braking system provides enhanced stopping power, but wet surfaces reduce traction.
- **Weight Limit:** Do not exceed the maximum weight capacity of 385 lbs.
- **Age Range:** This electric bike is designed for adult use.

3. Package Contents

Upon unpacking, please verify that all items listed below are present:

- Misodo F30 Electric Bike (90% pre-assembled)
- Tools Kit (x1)
- NFC Key (x2)
- Charger (x1)
- User Manual (this document)

4. Assembly

Your Misodo F30 Electric Bike arrives approximately 90% pre-assembled. The included tools kit contains everything necessary for completing the assembly. Follow the detailed instructions provided in the separate assembly guide for specific steps. Typically, assembly involves attaching the front wheel, handlebars, pedals, and seat.

5. Components Overview

5.1. Motor



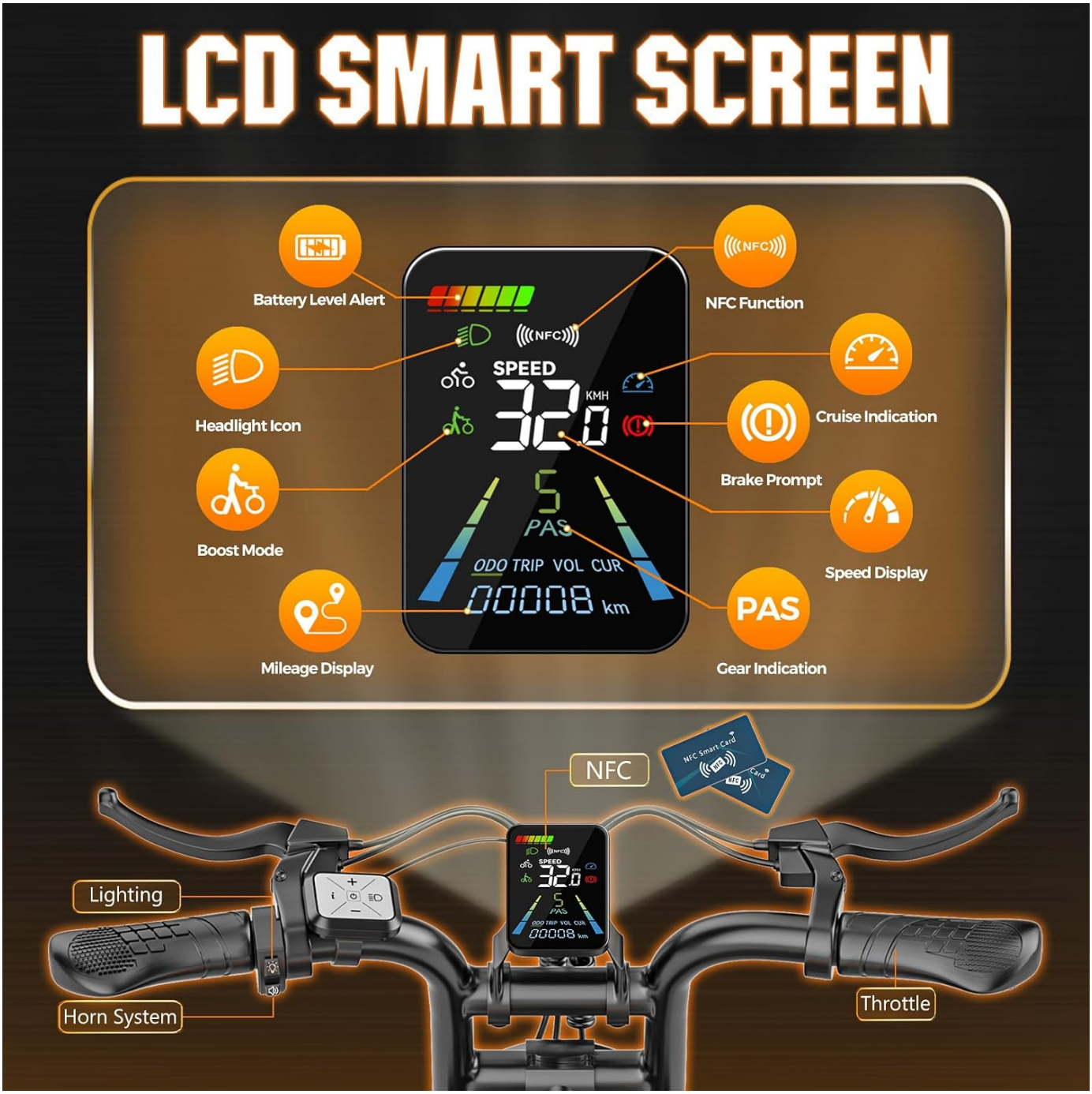
The Misodo F30 is equipped with a high-torque brushless hub motor, delivering a peak power of 2500W (750W continuous). This motor allows the bike to reach speeds up to 32 MPH and tackle inclines of up to 45 degrees.

5.2. Battery



The bike features a high-capacity 48V 20Ah (960Wh) removable lithium battery. This battery provides a maximum range of up to 100 miles in Pedal Assist System (PAS) mode. It is designed with an integrated waterproof casing and a secure key-lock system to prevent theft.

5.3. LCD Smart Display



The intelligent LCD smart display provides real-time data including speed, mileage, battery status, and assist levels. It also indicates NFC function, headlight status, cruise control activation, and brake prompts.

5.4. Suspension System



Engineered for comfort, the F30 features a dual-suspension system with a heavy-duty front fork and rear seat shock absorbers. This system absorbs approximately 90% of road vibrations and impacts, providing a stable riding experience across various terrains.

5.5. Tires

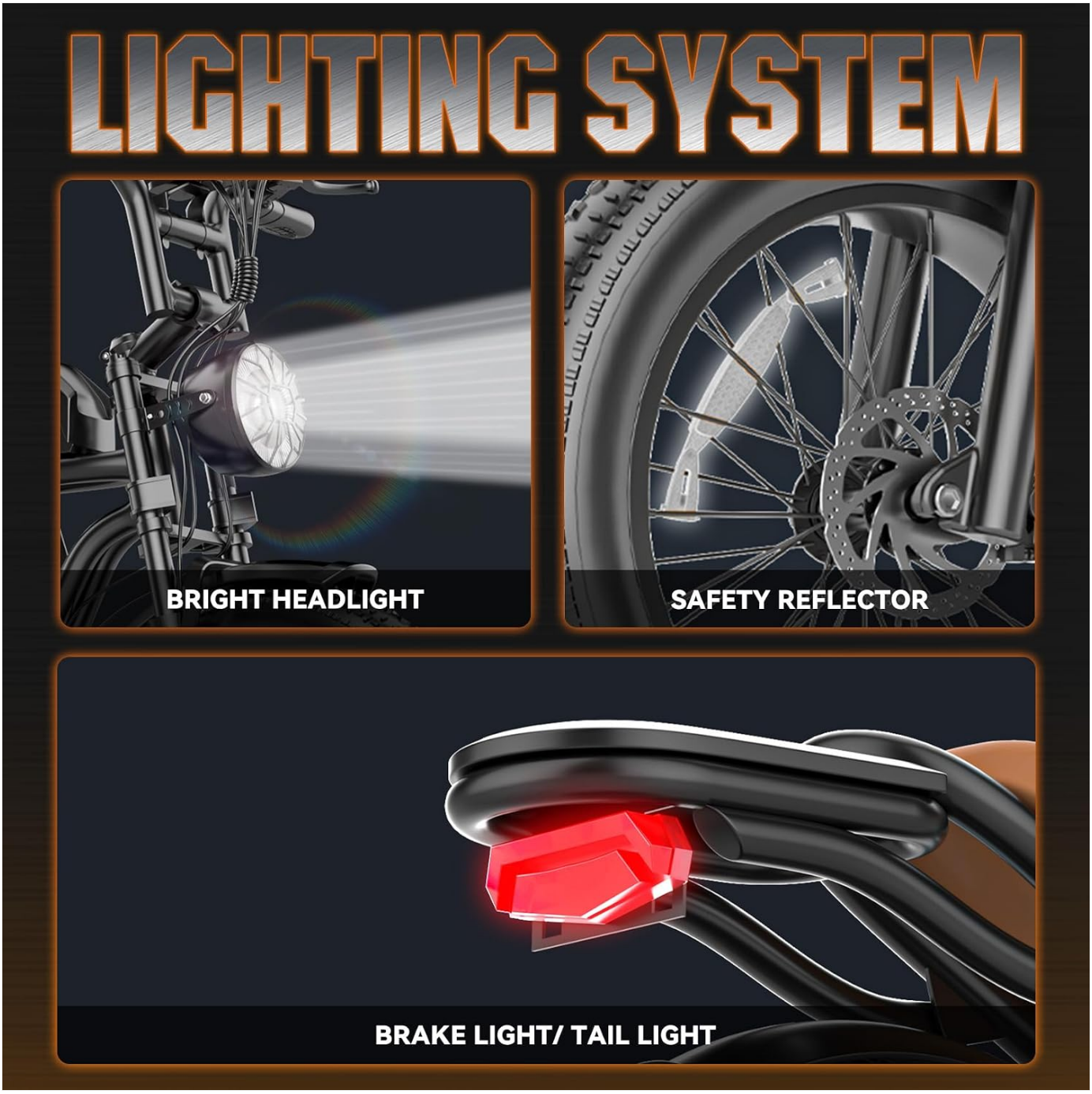


The 20" x 4.0" puncture-resistant fat tires are designed for maximum grip and stability on diverse surfaces, including gravel, mud, snow, sand, and wet asphalt.

5.6. Braking System

The bike is equipped with a high-performance dual braking system, which significantly reduces stopping distances, especially in challenging conditions.

5.7. Lighting System



The integrated lighting system includes a bright headlight, safety reflectors, and a brake light/tail light for enhanced visibility and safety during rides.

6. Operating Instructions

6.1. Riding Modes



The Misodo F30 offers five distinct riding modes to suit various preferences and terrains:

- **Pure Electric Mode:** Operates solely on motor power using the throttle.
- **Pedal Assist System (PAS) Mode:** Provides motor assistance while you pedal, with 5 adjustable levels.
- **Sport Mode:** Enhanced power delivery for dynamic riding.
- **Cruise Control Mode:** Maintains a set speed without continuous throttle input.
- **Boost Mode:** Provides a temporary surge of power.

6.2. Smart Unlocking System

The bike features a keyless smart unlocking system for convenience and security.

- **NFC Unlock:** Tap an NFC card to the designated area on the display to unlock the bike.
- **Password Unlock:** Enter a 4-digit code on the display to unlock the bike.

Your browser does not support the video tag.

Video: Demonstrates how to unlock the Misodo F30 Electric Bike using the NFC card or password.

6.3. Cruise Control Mode

To activate cruise control:

1. Reach your desired speed using the throttle.
2. Hold the throttle steady for 10 seconds. The bike will then enter cruise control mode, maintaining the current speed.
3. To deactivate, apply the brakes or twist the throttle.

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Video: Instructions on how to activate and deactivate the cruise control mode on the electric bike.

6.4. Switching Mileage Units (KM/MPH)

To switch between kilometers (KM) and miles per hour (MPH) on the LCD display:

1. Turn on the bike's display.
2. Press the "i" button to navigate to parameter P02.
3. Use the "+" or "-" buttons to select your desired speed unit.
4. Press and hold the "+" and "-" buttons simultaneously to confirm the selection.

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Video: Step-by-step guide on how to change the mileage unit (KM/MPH) on the Misodo F30's LCD display.

7. Battery Information

The 48V 20Ah lithium battery provides a substantial range and is designed for durability. For optimal battery life:

- **Charging:** Use only the provided charger. A full charge typically takes 6-8 hours.
- **Storage:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, charge the battery to 50-70% every 2-3 months.
- **Water Protection:** The battery features a waterproof design, but avoid submerging it in water.
- **Security:** Always use the key-lock system to secure the battery to the bike.

8. Maintenance

Regular maintenance ensures the longevity and safe operation of your Misodo F30 Electric Bike.

- **Tires:** Regularly check tire pressure and inspect for wear or damage. Maintain recommended pressure for optimal performance and safety.
- **Brakes:** Inspect brake pads and rotors for wear. Ensure brake levers are responsive and provide adequate stopping power. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth operation.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases to ensure they are tightened to the manufacturer's specifications.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.

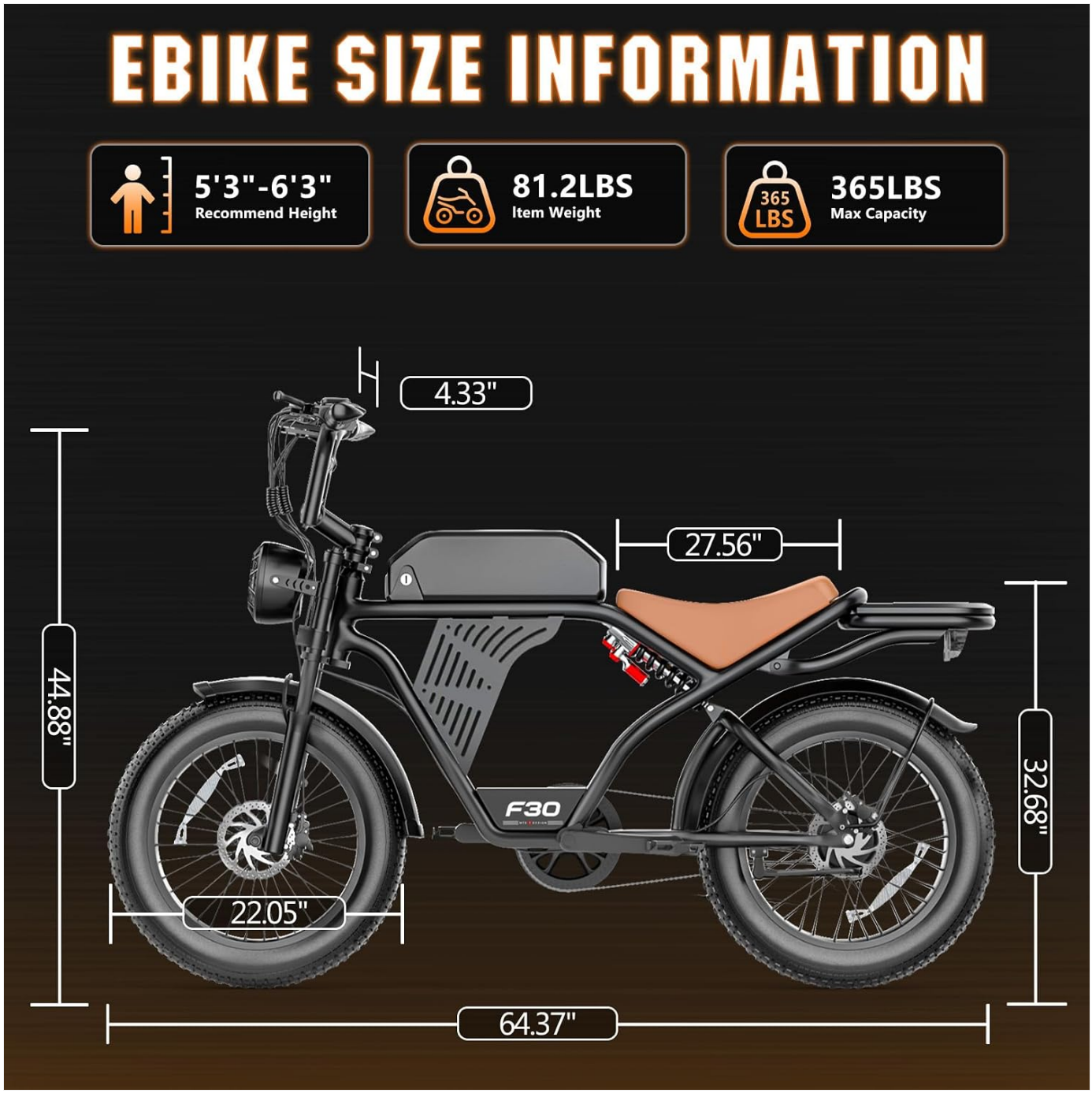
9. Troubleshooting

This section addresses common issues you might encounter. For more complex problems, please contact customer support.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or improperly installed; power cable loose.	Ensure battery is fully charged and correctly seated. Check all power connections.
Motor not assisting	PAS level set to 0; brake levers engaged; motor connection loose.	Increase PAS level. Release brake levers. Check motor cable connection.
Brakes squealing	Brake pads worn or contaminated; rotor dirty.	Clean rotors and pads. Replace worn brake pads.
Reduced range	Low tire pressure; heavy load; riding against strong winds; frequent stops/starts.	Inflate tires to recommended pressure. Reduce load. Optimize riding style.

10. Specifications



Feature	Detail

Feature	Detail
Model Name	F30
Motor	2500W Peak Brushless Hub Motor (750W Continuous)
Max Speed	32 MPH
Battery	48V 20Ah (960Wh) Removable Lithium Battery
Max Range	Up to 100 Miles (PAS Mode)
Charging Time	6-8 Hours
Tires	20" x 4.0" Puncture-Resistant Fat Tires
Brakes	Dual Braking System
Suspension	Full Suspension (Front Fork & Rear Seat Shock Absorbers)
Frame Material	Alloy Steel
Max Load Capacity	385 lbs
Recommended Height	5'3" - 6'3"
Unlocking System	Keyless NFC / Password Unlock
Display	Intelligent LCD Smart Display
Riding Modes	Pure Electric, Pedal Assist (PAS), Sport, Cruise Control, Boost
Assembly Required	Yes (90% Pre-Assembled)

11. Warranty and Support

Misodo provides an industry-leading **36-month warranty** for the F30 Electric Bike. This warranty covers manufacturing defects and ensures peace of mind regarding your purchase.
For any assembly questions, technical inquiries, or warranty claims, please contact Misodo Customer Support. You can find us by your order details. Misodo Support is committed to providing assistance and will respond as soon as possible to ensure a safe and satisfying riding experience.
Manufacturer: Huizhou Beirui Technology co., Ltd.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I get a replacement key for the Misodo F30 Electric Bike?

The Misodo F30 Electric Bike features a keyless smart unlocking system that uses NFC cards and a password. The package contents list "NFC Key (x2)" as included items. The manual does not provide specific...

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